

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Fig. 1

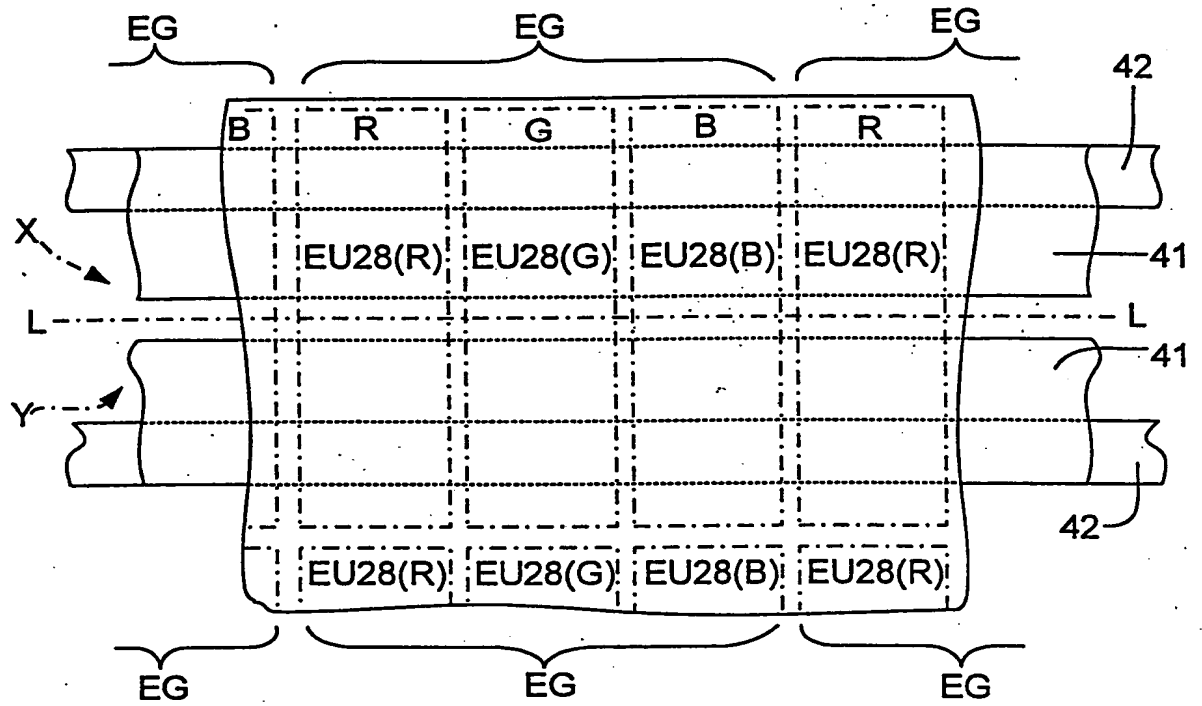
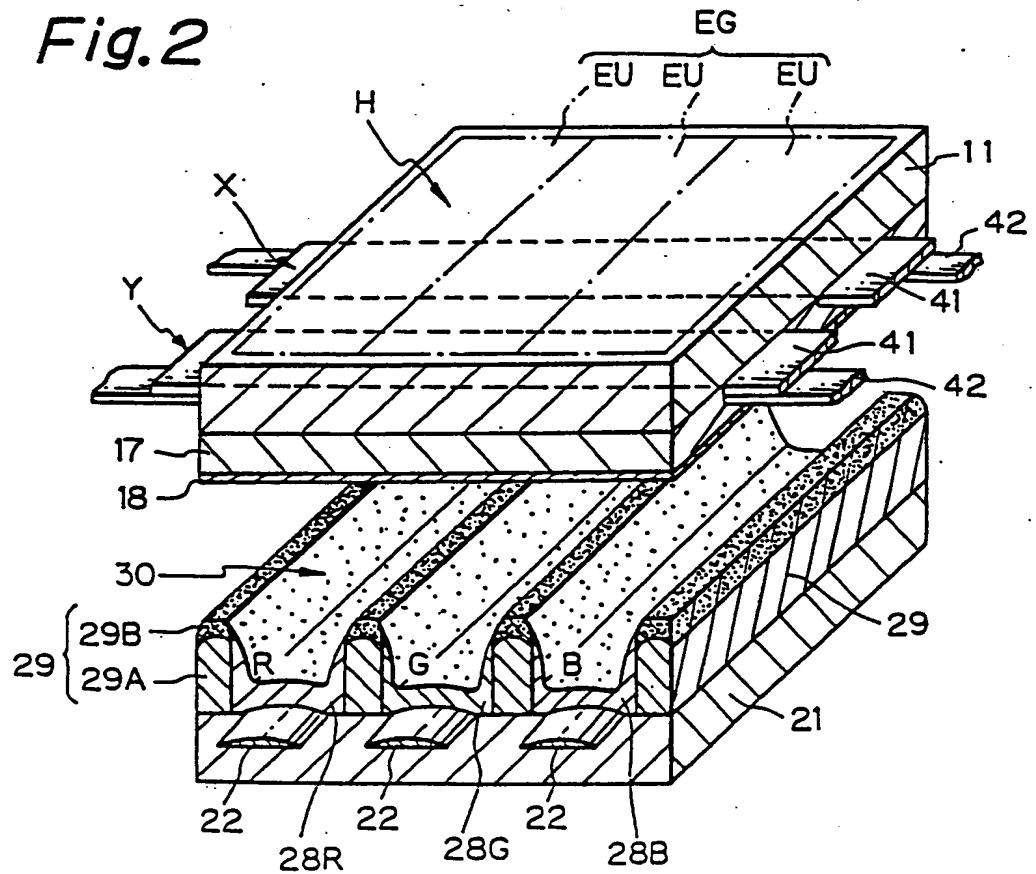
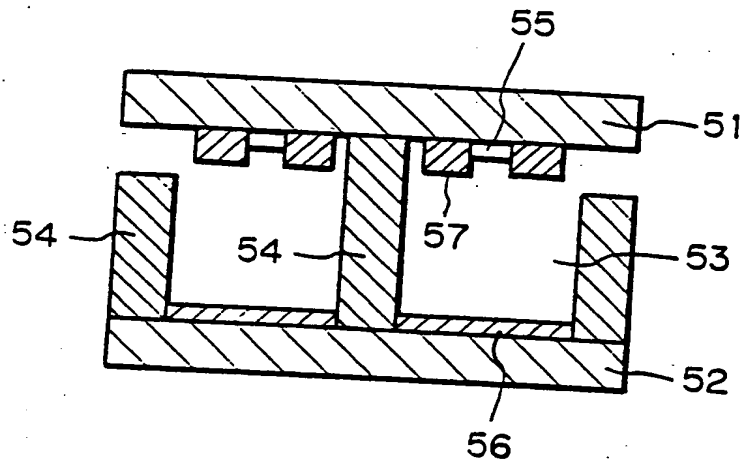


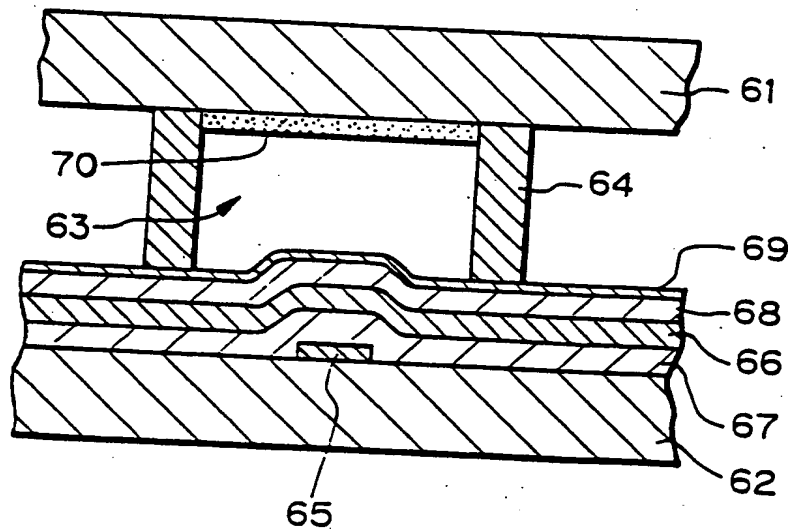
Fig. 2

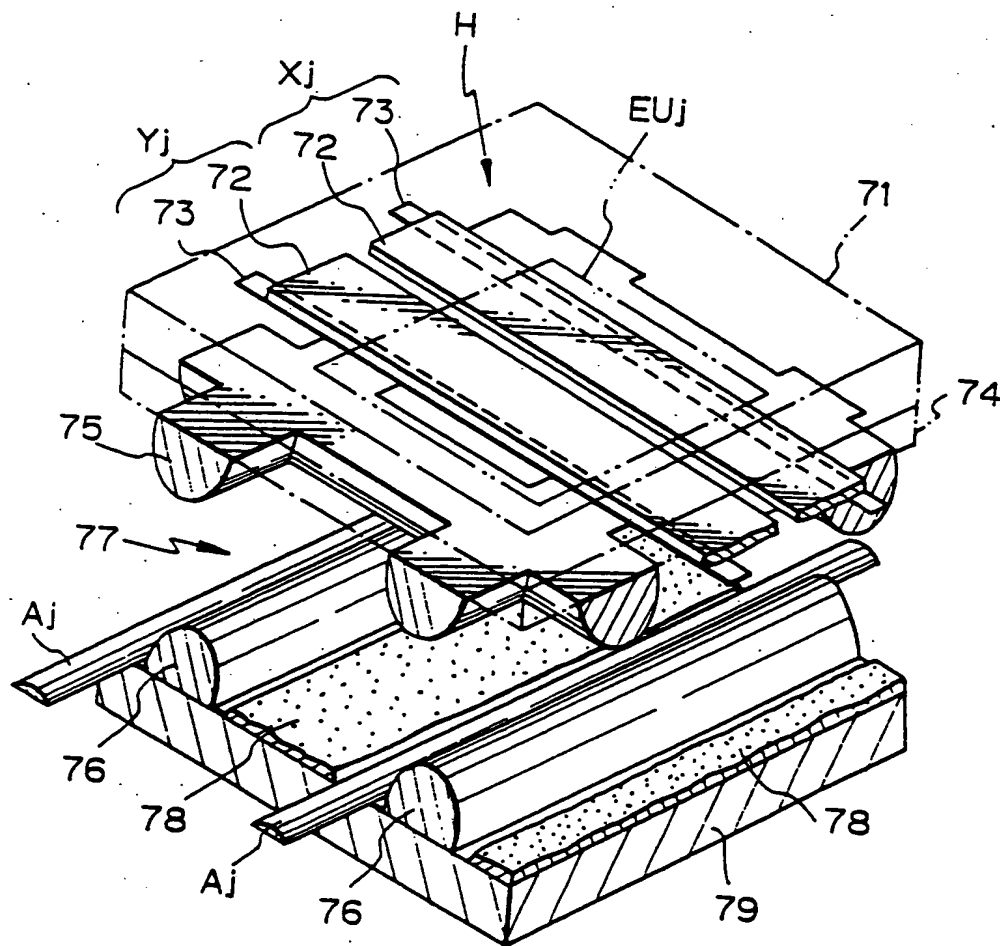


**Fig. 3A** PRIOR ART



**Fig. 3B** PRIOR ART



**Fig. 4** PRIOR ART

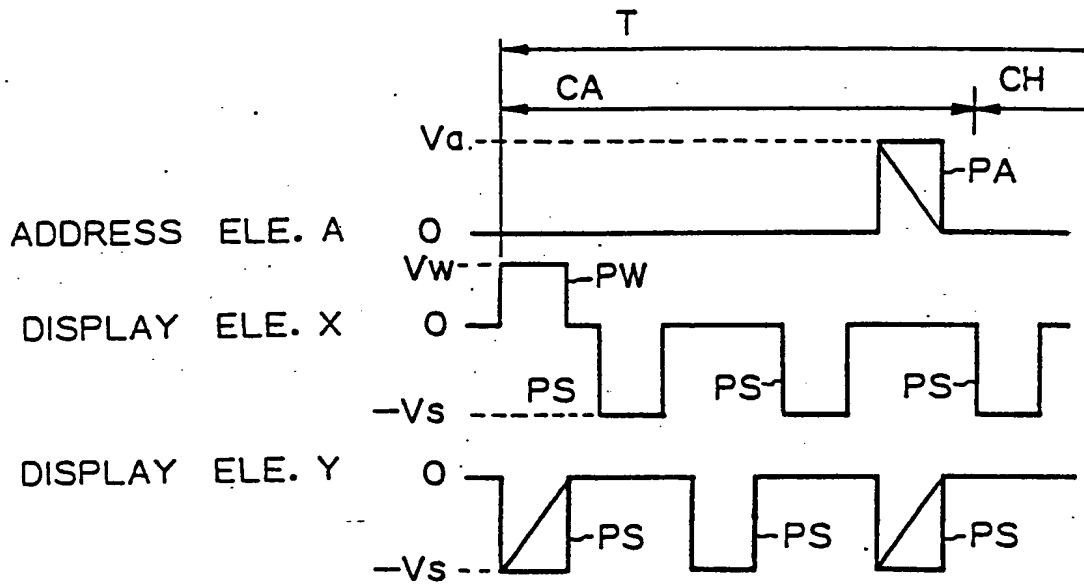
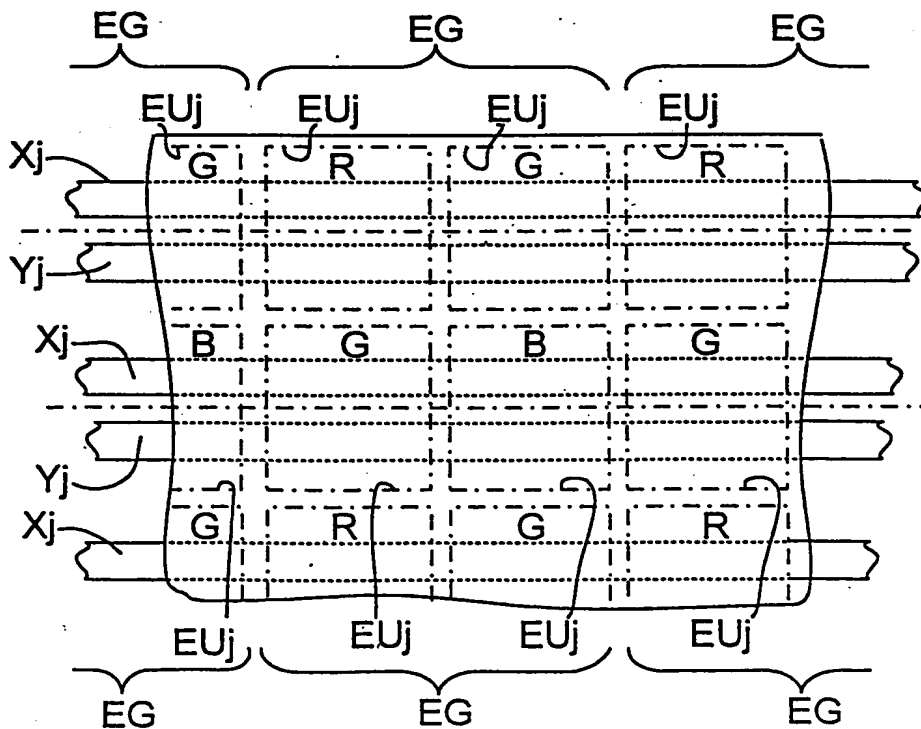
**Fig. 5** PRIOR ART**Fig. 6**  
PRIOR ART

Fig. 7

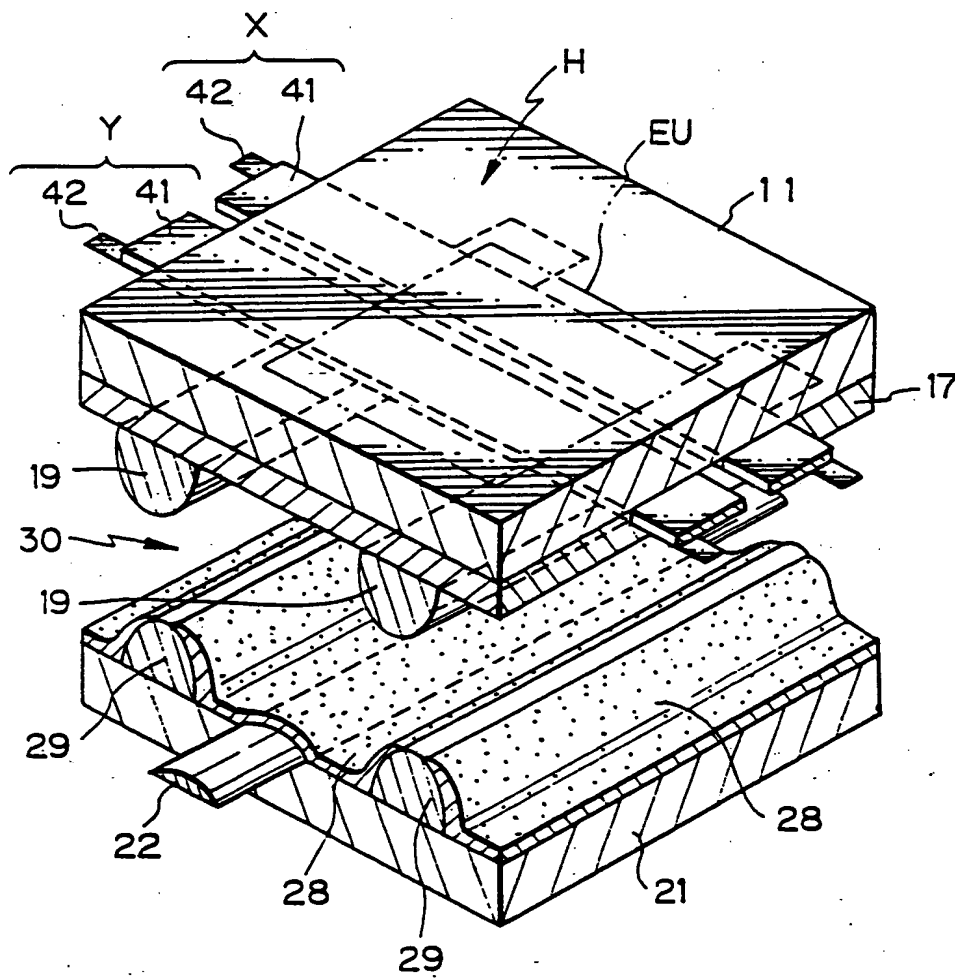


Fig. 8

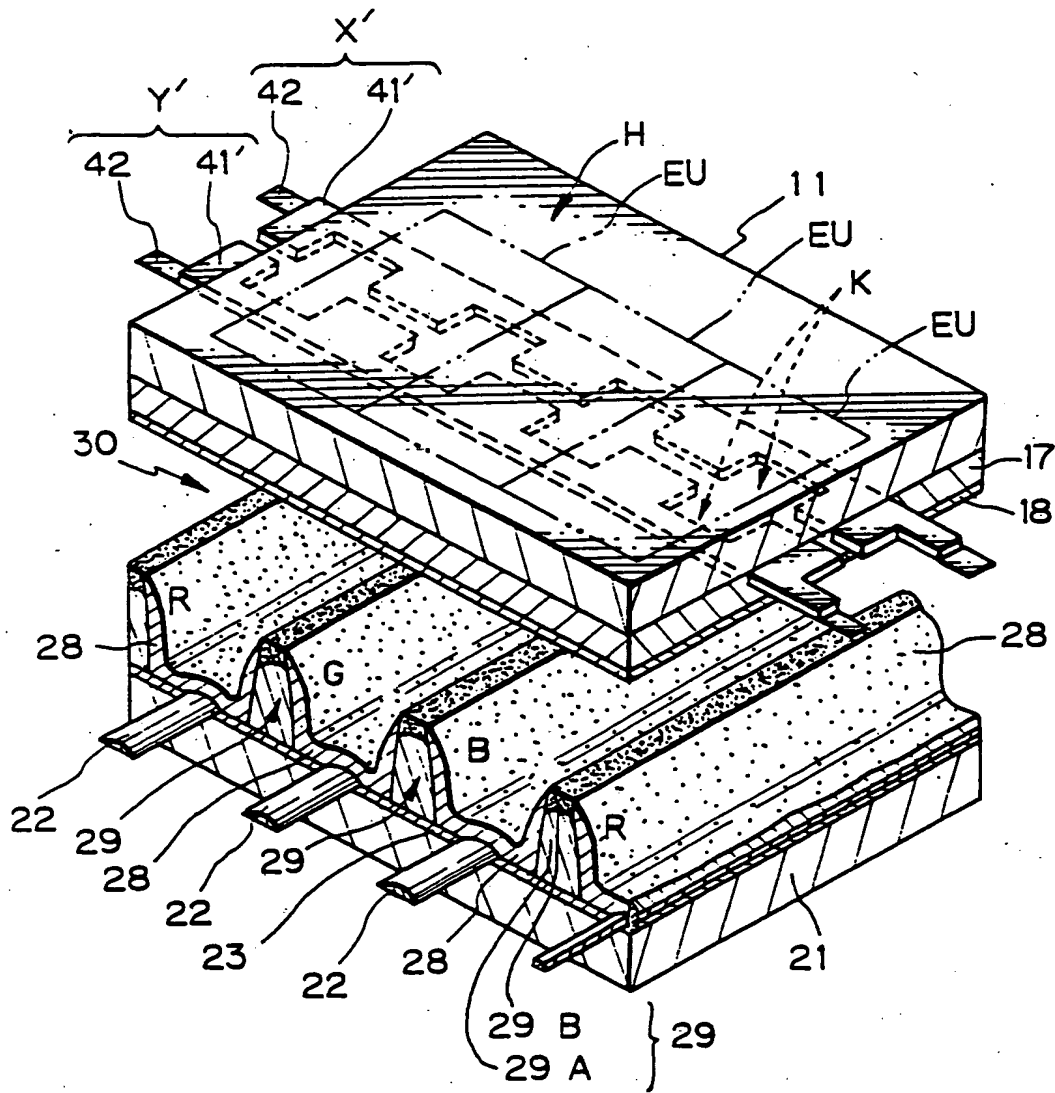


Fig. 9

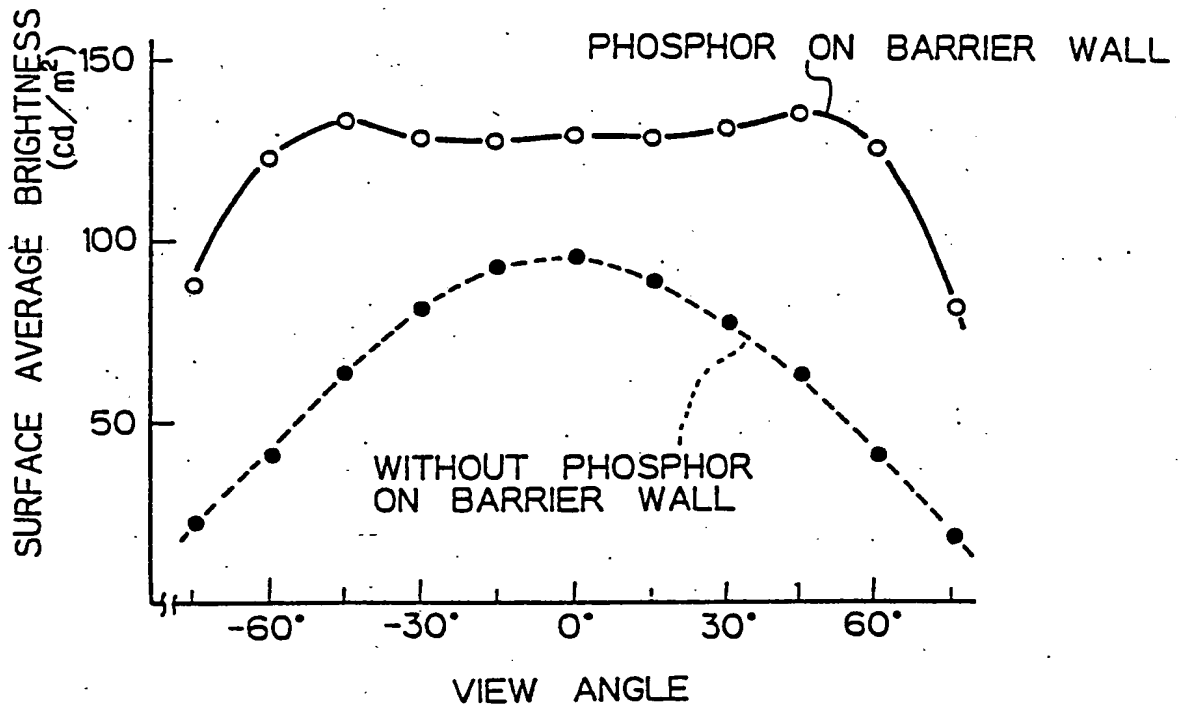
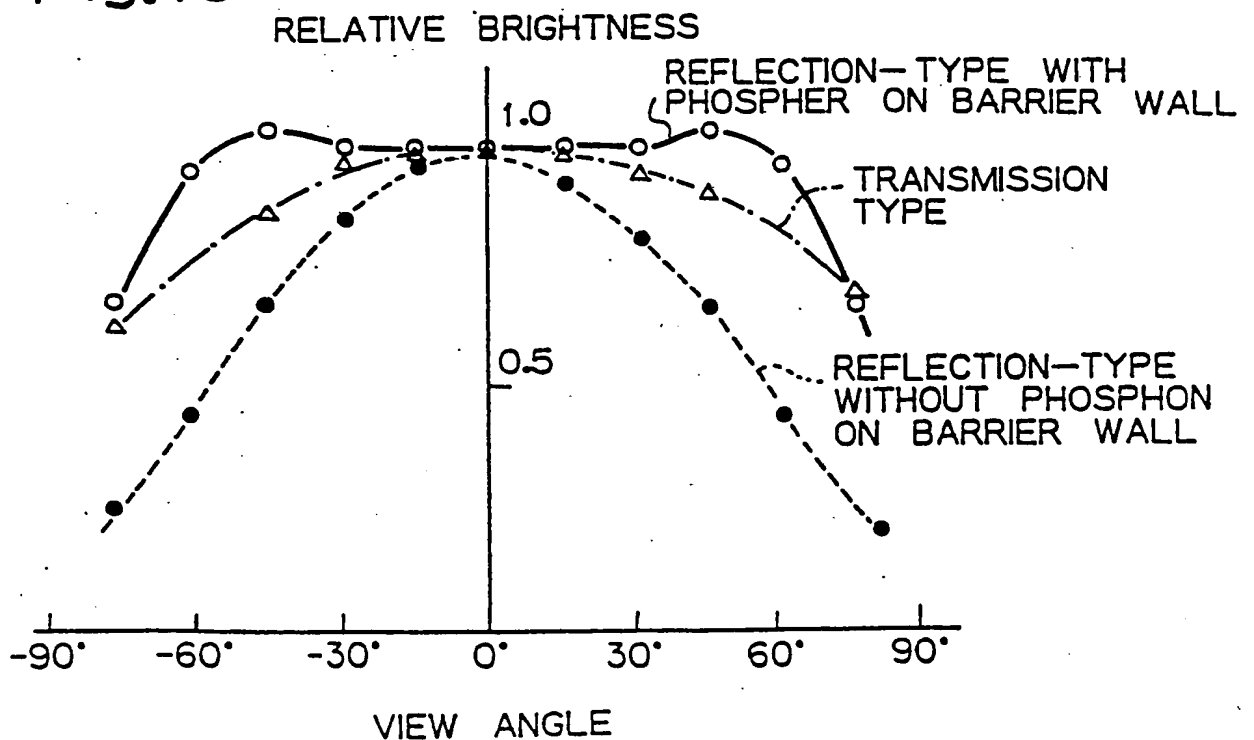
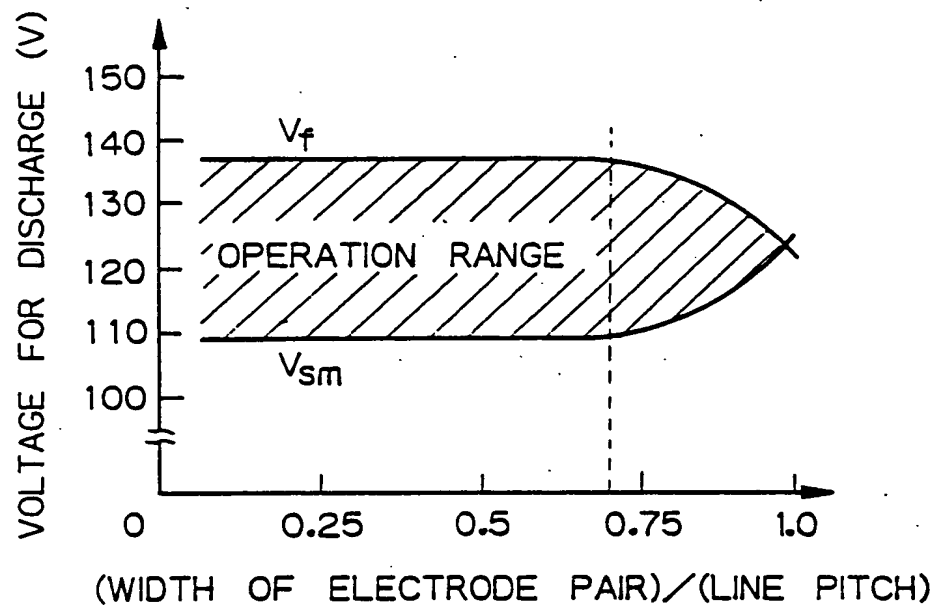
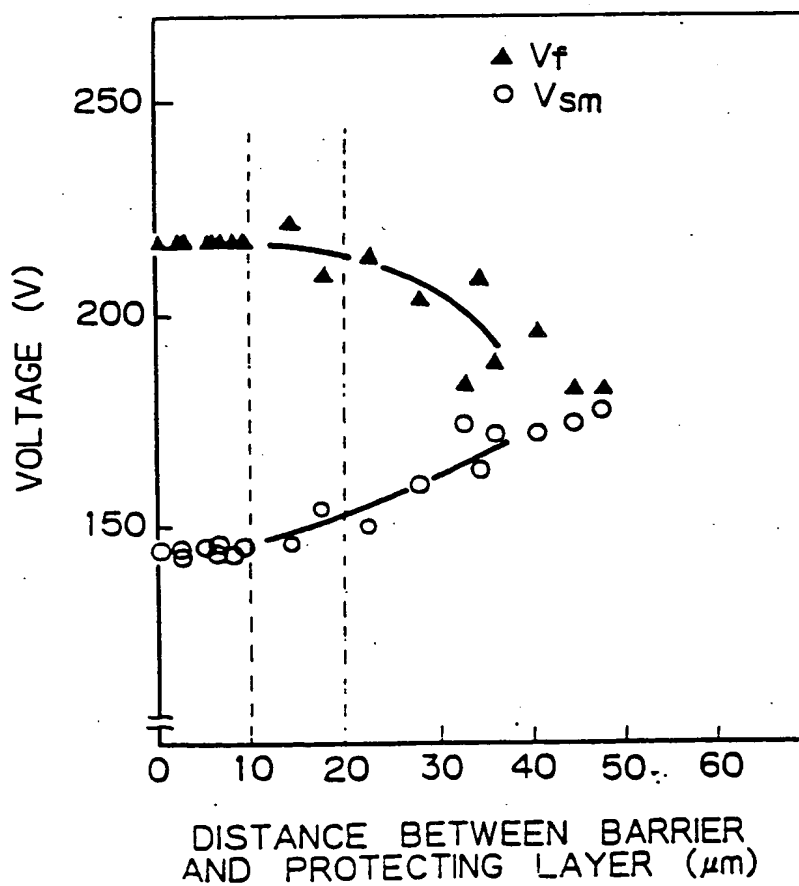


Fig. 10





**Fig.1 1****Fig.12**

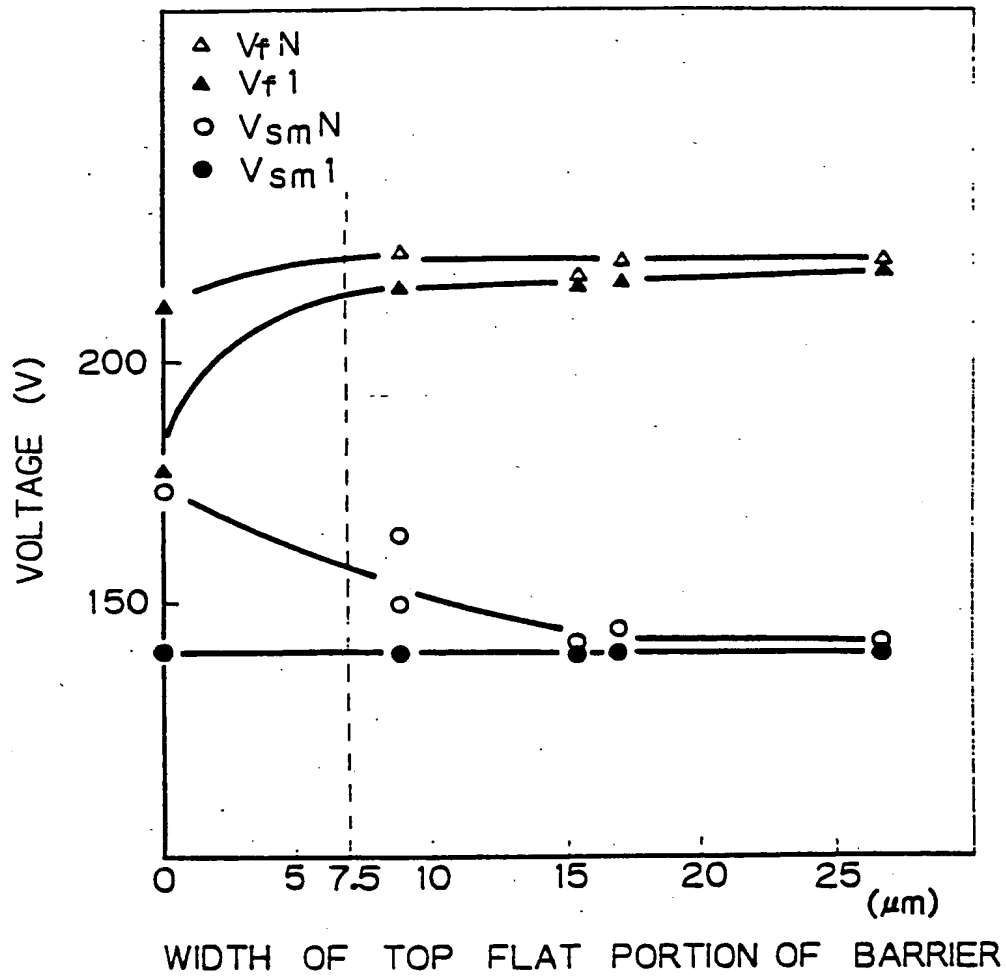
*Fig.13*

Fig. 14

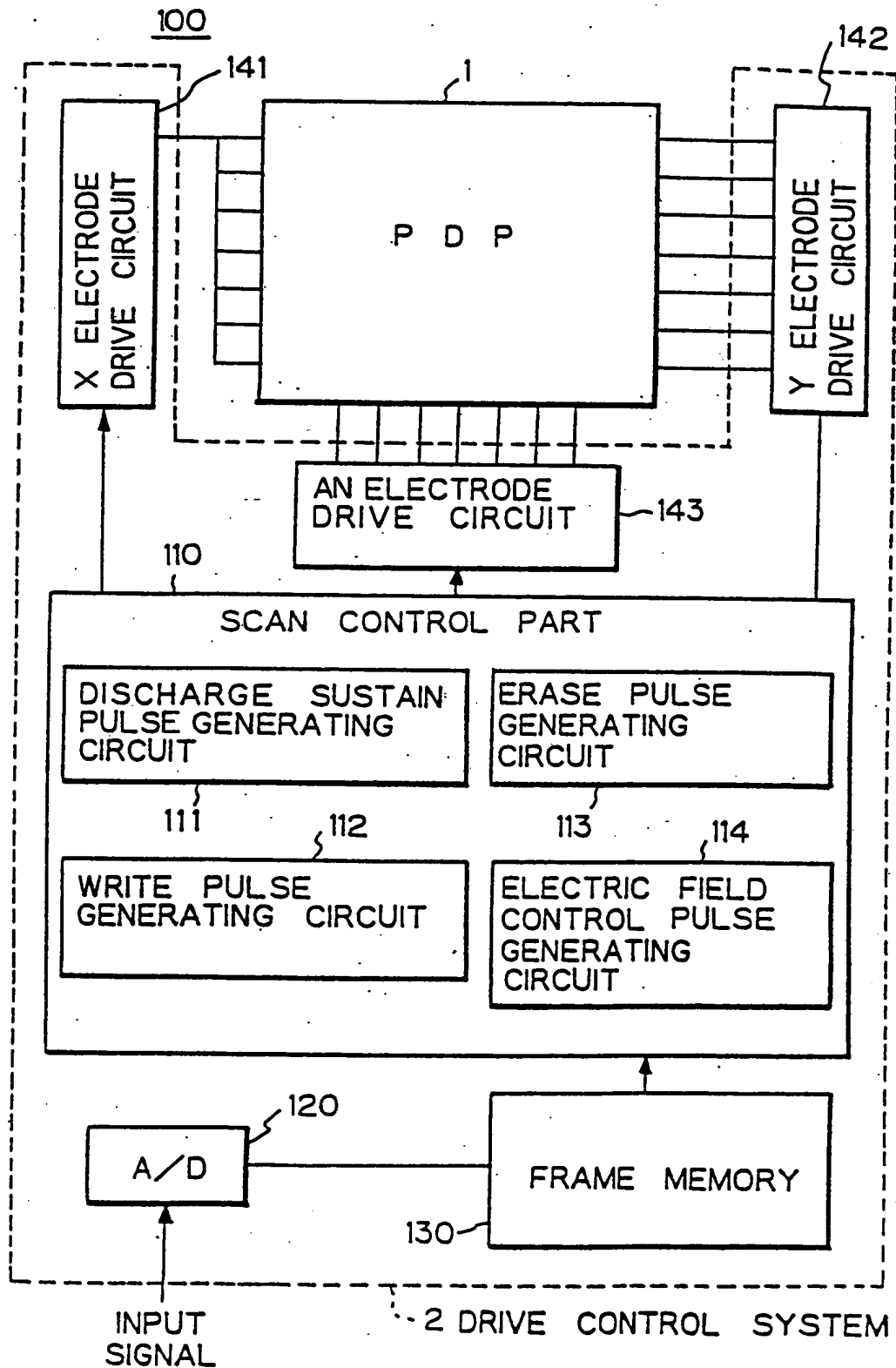


Fig.15

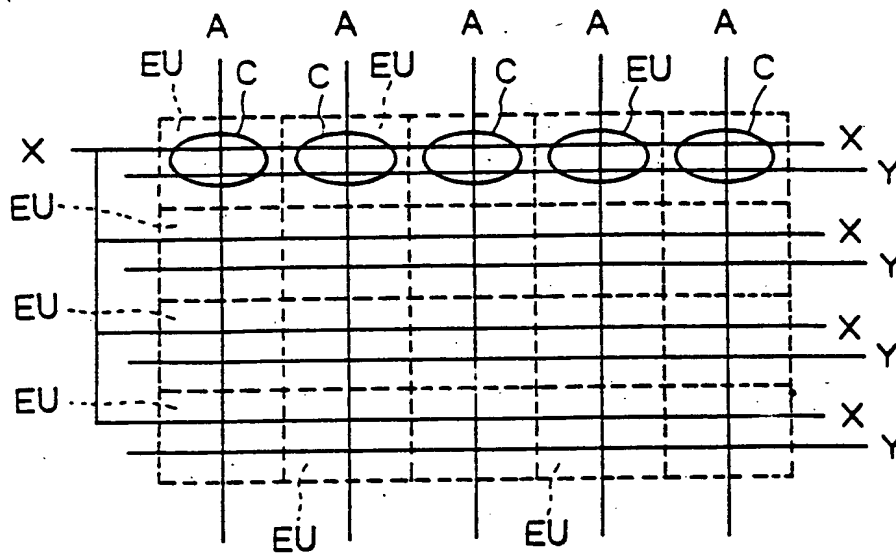


Fig.16

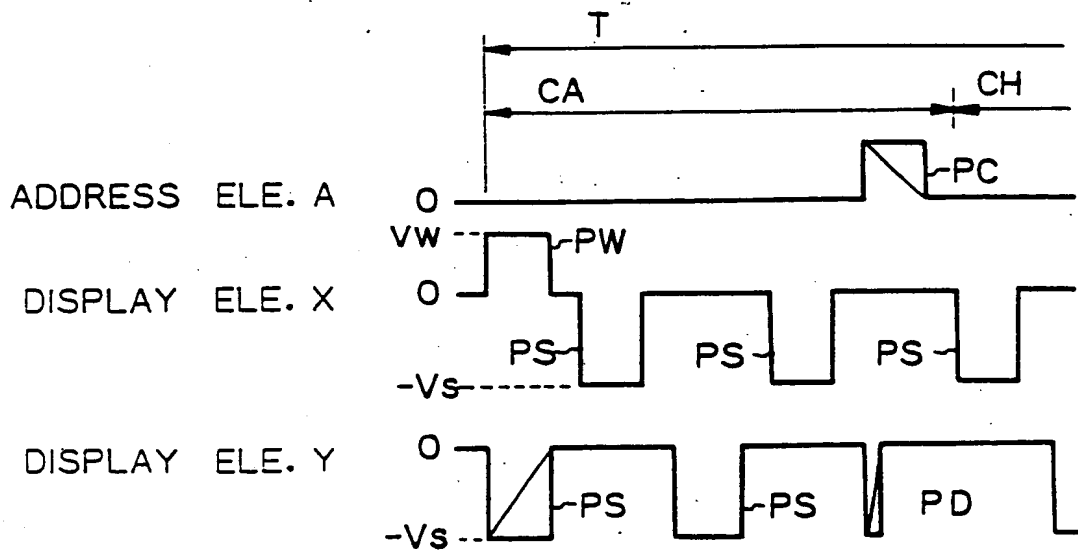


Fig.17

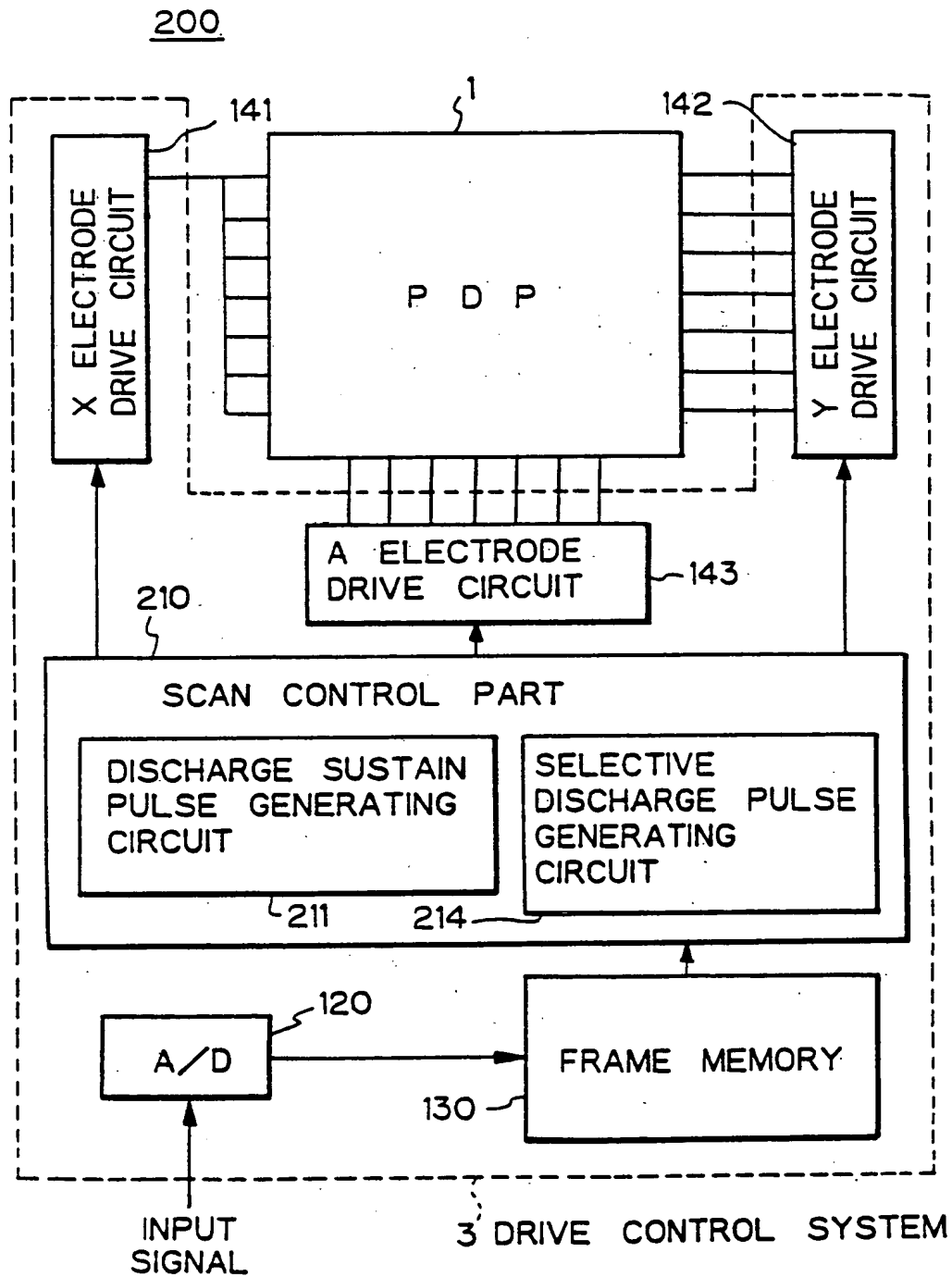
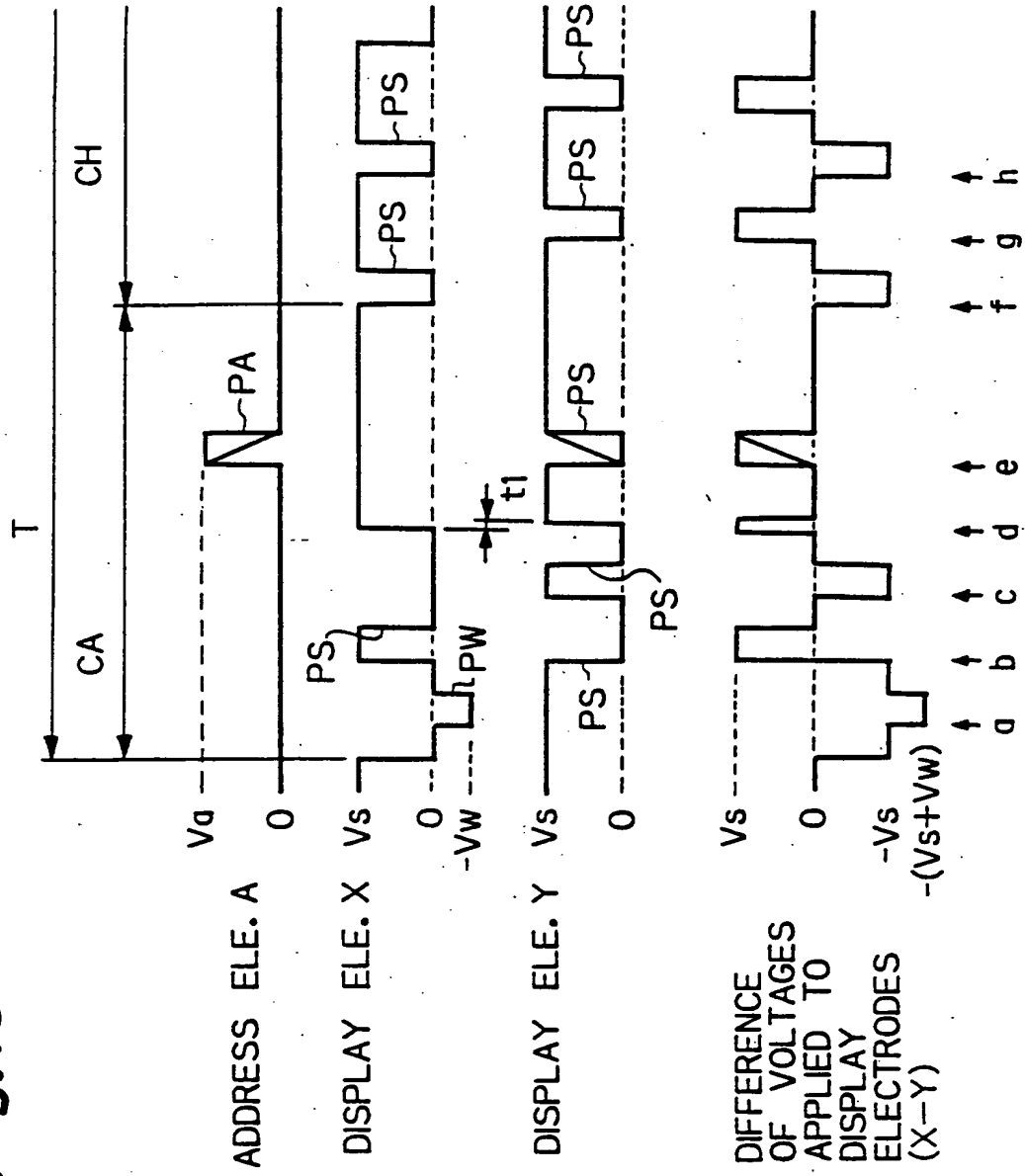
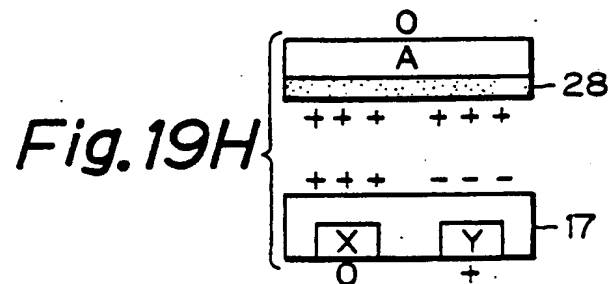
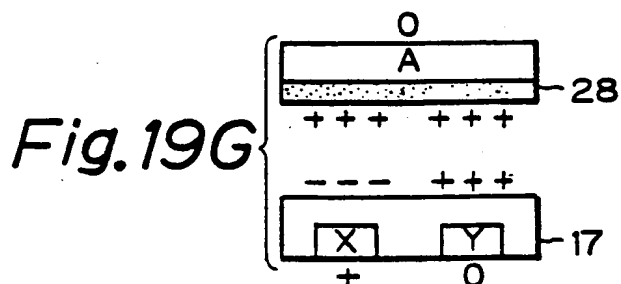
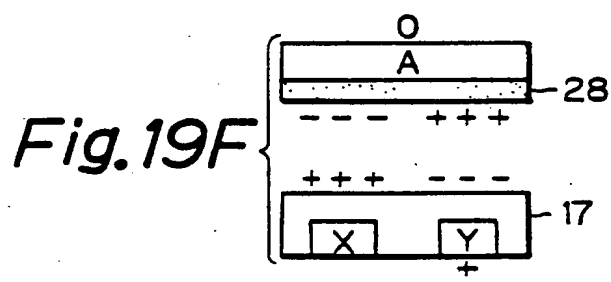
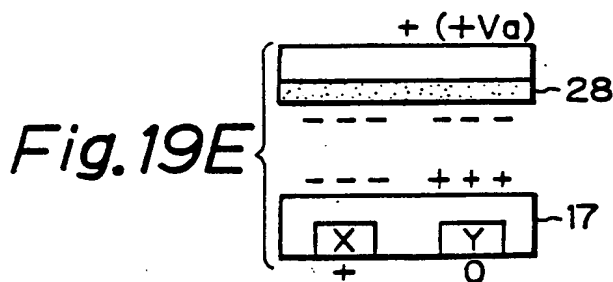
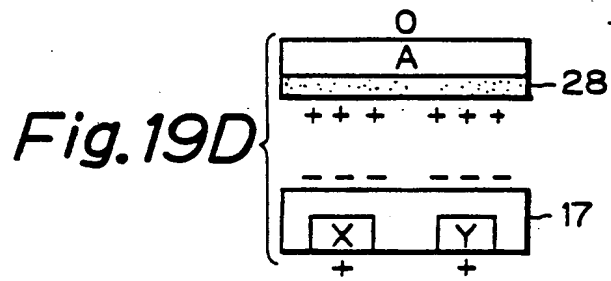
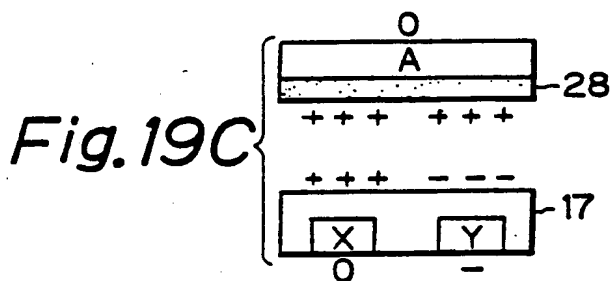
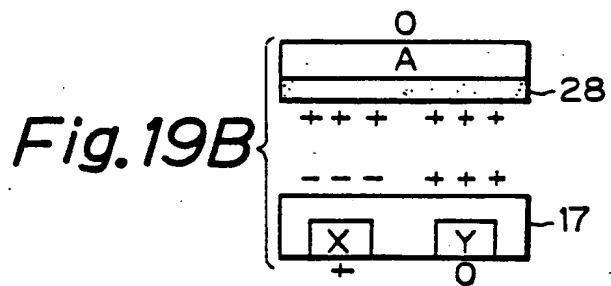
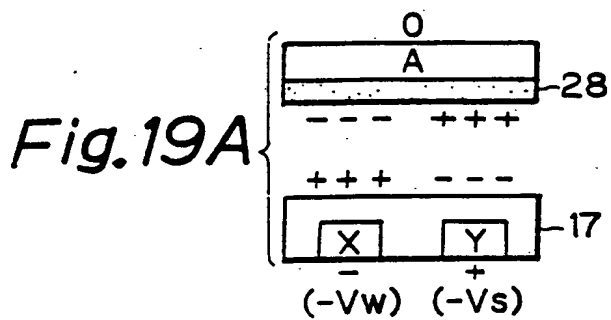
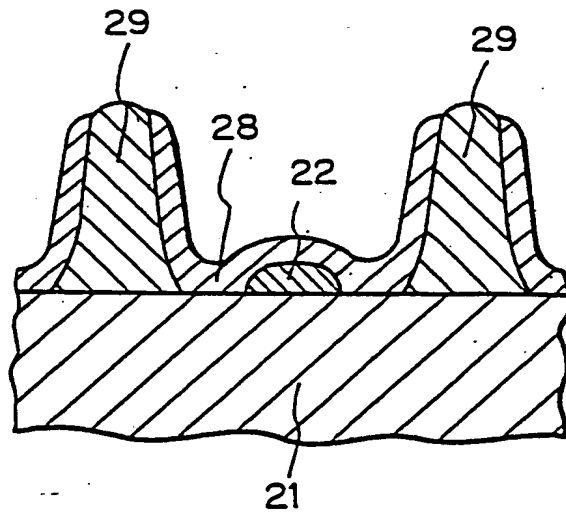
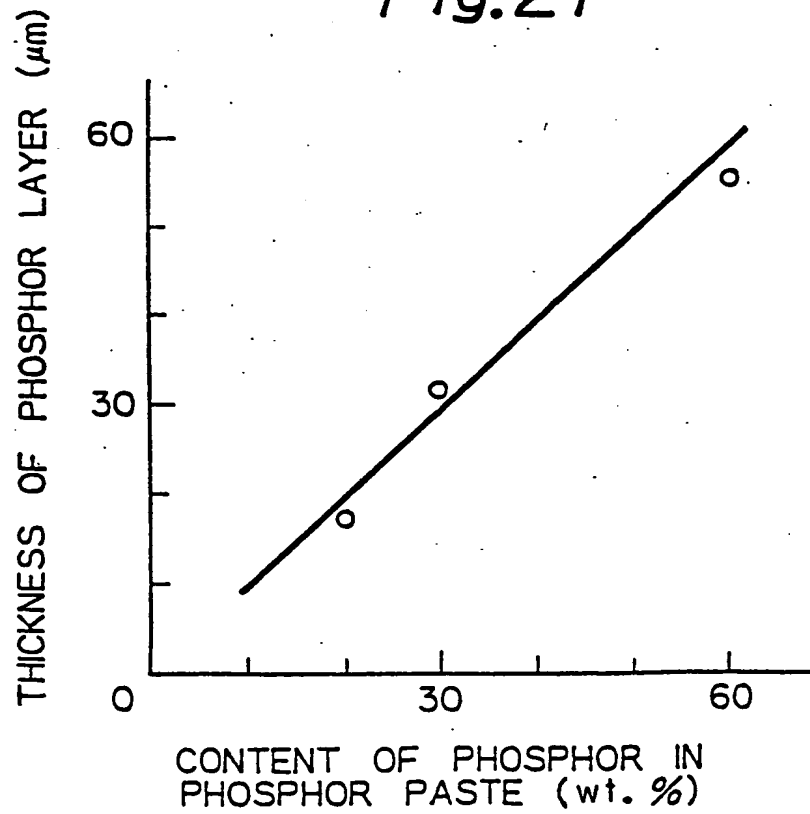


Fig.18

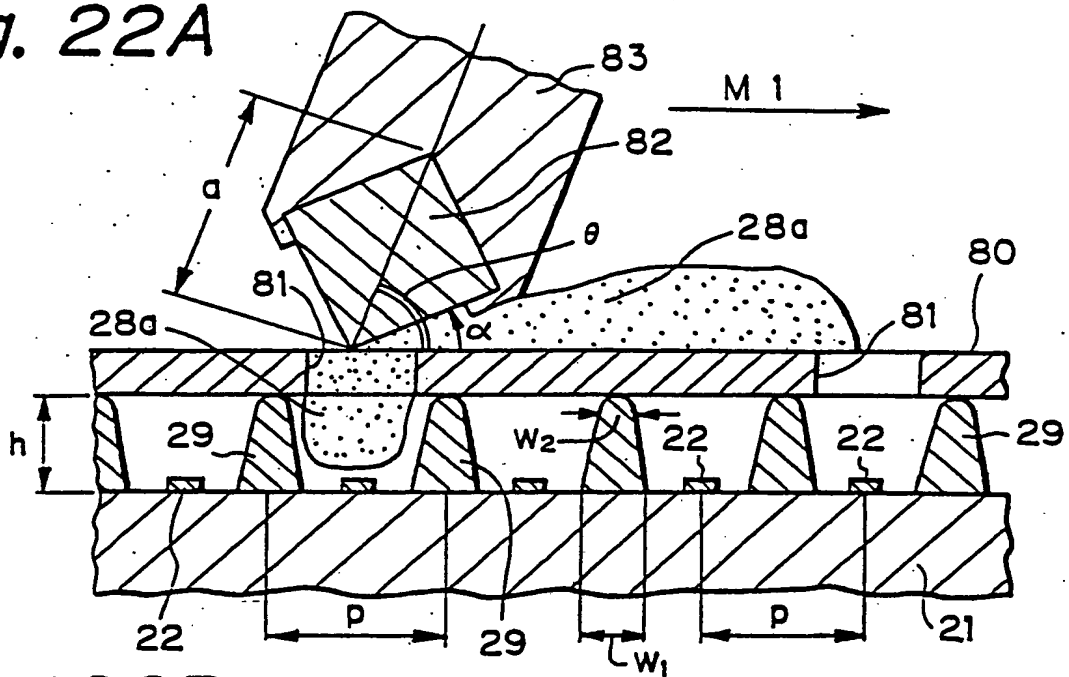




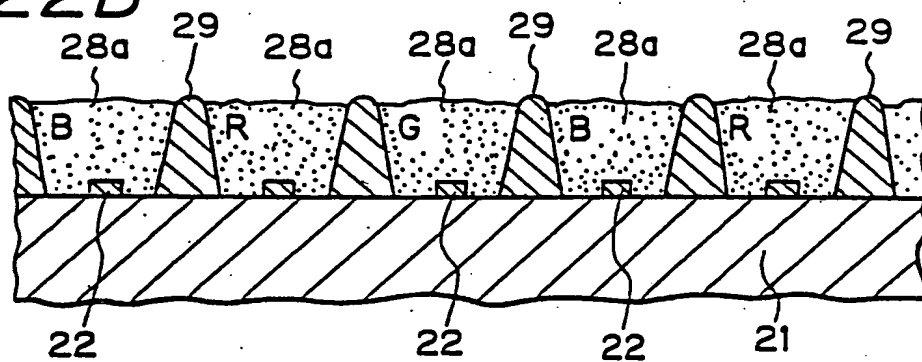
*Fig.20**Fig.21*



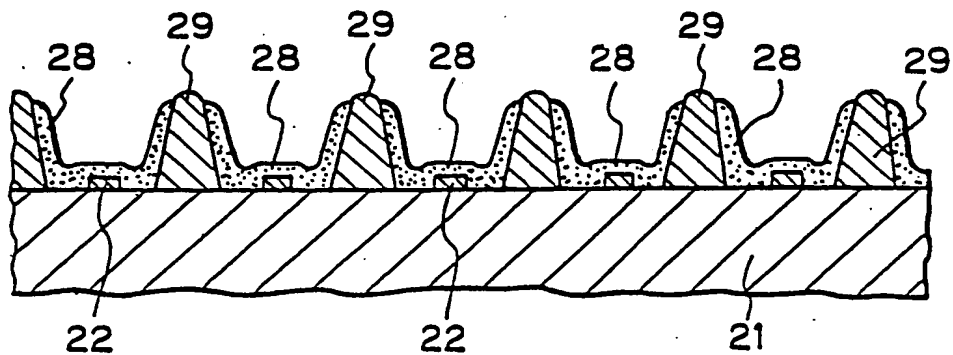
*Fig. 22A*



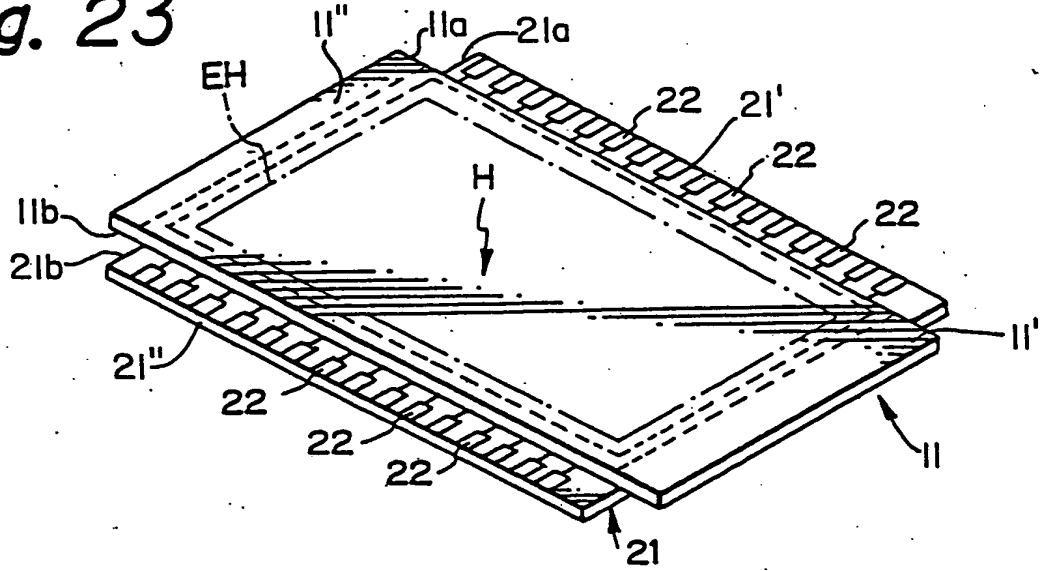
*Fig. 22B*



**Fig. 22C**

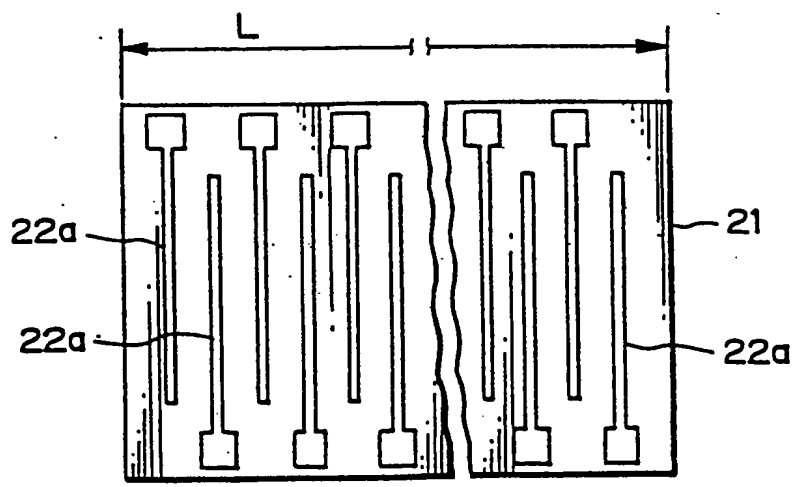


**Fig. 23**



**Fig. 24A**

PRIOR ART



**Fig. 24B**

PRIOR ART

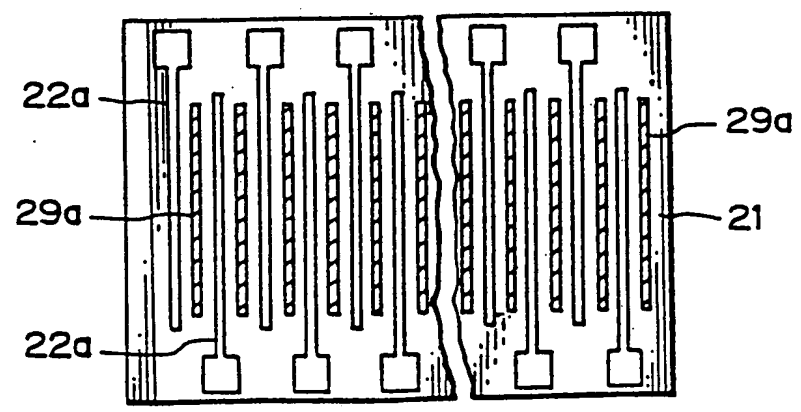


Fig. 25A

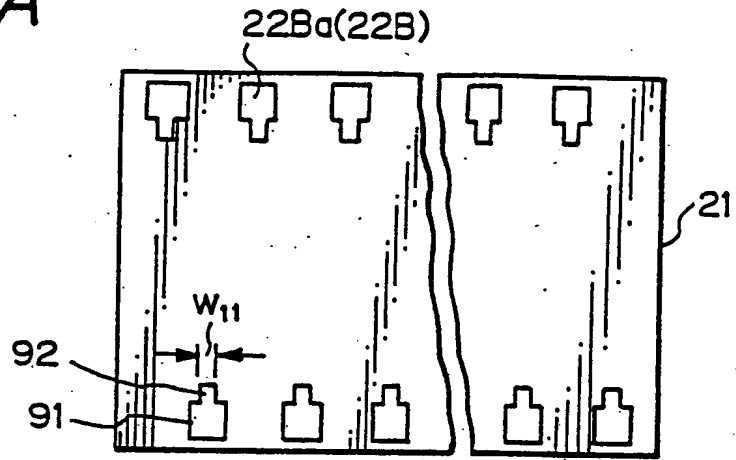


Fig. 25B

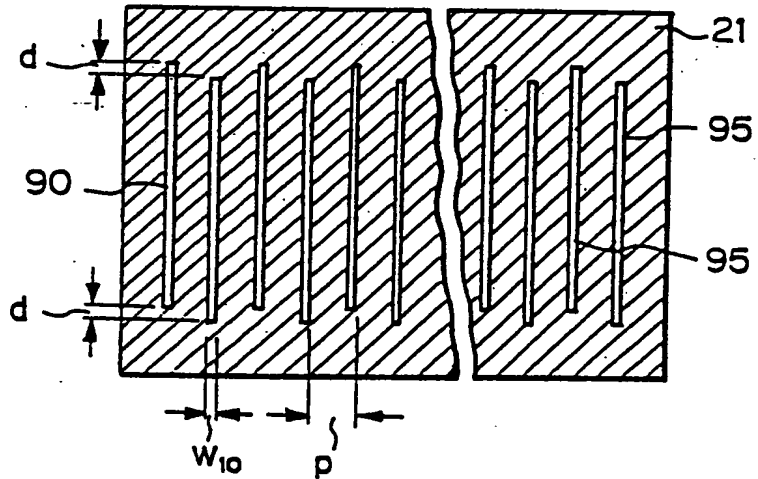


Fig. 25C

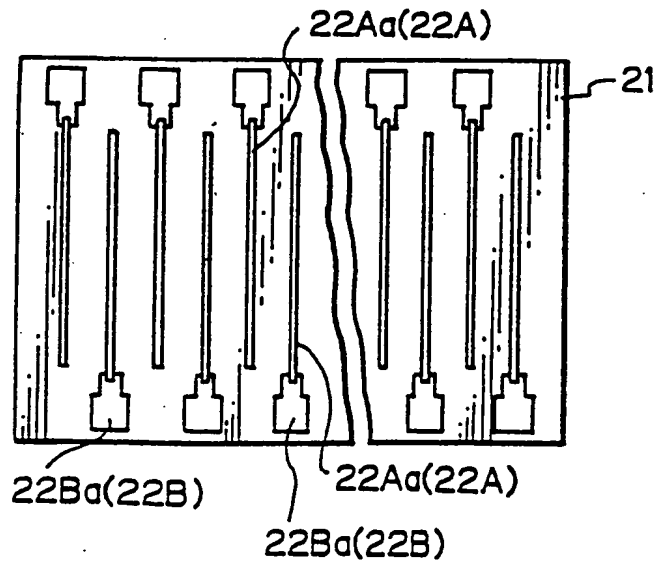


Fig. 25D

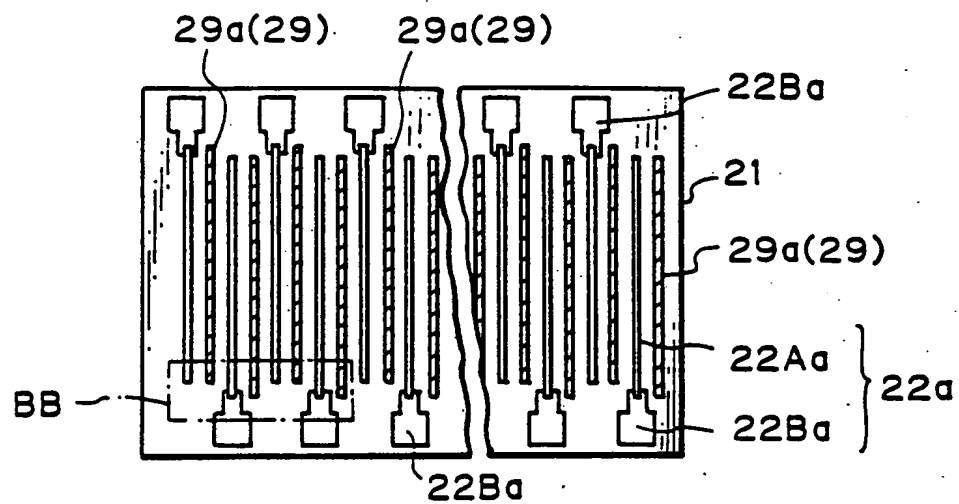


Fig. 25E

